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TI - Preparation of N-benzyl(dioxothiazolidinyl)benzamides and their use as oral antidiabetics and hypolipemic agents

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SO - Jpn. Kokai Tokkyo Koho, 7 pp.

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PN - JP9301963 A 19971125 JP 1996-147935 19960517

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AB - Title compds. I (R = H, C1-3 alkoxy) and their pharmacol. acceptable salts, useful as hypolipemic agents (no data) and antidiabetics, are prepd. by condensation of terephthalaldehyde esters II (R = same as above; R1 = C1-4 alkyl) with thiazolidine-2,4-dione, hydrolysis of the condensation products III (R, R1 = same as above), amidation of the resulting III (R = same as above; R1 = H) with F3CC6H4NH2, then hydrogenation of the obtained products IV (R = same as above). N-(2-trifluoromethylbenzyl)-4-(2,4-dioxothiazolidin-5-ylidene)methylbenzamide was hydrogenated over Pd/C to give 90% N-(2-trifluoromethylbenzyl)-4-(2,4-dioxothiazolidin-5-yl)methylbenzamide, which at 10 mg/kg p.o. for 5 days lowered blood sugar level by 38% in C57BL ob/ob mice.

IT - 199167-85-6P 199167-86-7P 199167-87-8P  
199167-89-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of N-benzyl(dioxothiazolidinyl)benzamides as oral antidiabetics and hypolipemic agents)

RN - 199167-85-6 CAPLUS

CN - Benzamide, 4-[(2,4-dioxo-5-thiazolidinyl)methyl]-N-[[3-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

RN 199167-86-7 CAPLUS

CN Benzamide, 4-[(2,4-dioxo-5-thiazolidinyl)methyl]-N-[[4-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

RN 199167-87-8 CAPLUS

CN Benzamide, 4-[(2,4-dioxo-5-thiazolidinyl)methyl]-2-methoxy-N-[[4-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

RN 199167-89-0 CAPLUS

CN Benzamide, 4-[(2,4-dioxo-5-thiazolidinyl)methyl]-N-[[2-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

RN 199167-81-2 CAPLUS

CN Benzamide, 4-[(2,4-dioxo-5-thiazolidinylidene)methyl]-N-[[2-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

RN 199167-82-3 CAPLUS

CN Benzamide, 4-[(2,4-dioxo-5-thiazolidinylidene)methyl]-N-[[3-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

RN 199167-83-4 CAPLUS

CN Benzamide, 4-[(2,4-dioxo-5-thiazolidinylidene)methyl]-2-methoxy-N-[[4-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

RN 199167-84-5 CAPLUS

CN Benzamide, 4-[(2,4-dioxo-5-thiazolidinylidene)methyl]-N-[[4-(trifluoromethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)